



INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 26

Attorney Docket Number 9113-20US

<p style="text-align: center;">U.S. PATENT AND TRADEMARK OFFICE</p> <p style="text-align: center;">OCT 30 2007</p> <p style="text-align: center;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p style="text-align: center;"><i>(use as many sheets as necessary)</i></p>		Complete if Known		
		Application Number	09/009,455	
		Filing Date	01/20/1998	
		First Named Inventor	Mills	
		Group Art Unit	1745	
Examiner Name	Kalafut			
Sheet	1	of	36	
			Attorney Docket Number	9113-20US

U.S. PATENT DOCUMENTS

Examiner Signature		Date Considered	
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<p>Substitute for form 1449A/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p><i>(use as many sheets as necessary)</i></p>				Complete if Known			
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				Examiner Name		Kalafut	
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FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Ci te N. o. ¹	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Office ³	Number ⁴	Kind Code ⁵ (if known)		
		WO	94/29873	A2	Mills	12-22-1994
		WO	99/05735	A1	Mills	03-04-1999
		WO	99/26078	A1	Mills	5-27-1999
		WO	99/34322	A1	Mills	7-8-1999
		WO	99/35698	A3	Mills	07-15-1999
		WO	00/07931	A1	Mills	02-17-2000
		WO	00/07932	A2	Mills	2-17-2000
		WO	00/25320	A1	Davies	05-04-2000
		WO	01/095944	A2	Mills	12-20-2001
		WO	01/18948	A1	Mills	3-15-2001
		WO	01/21300	A2	Mills	03-29-2001
		WO	01/22472	A2	Mills	3-29-2001
		WO	01/70627	A3	Mills	08-27-2001

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		WO	02/08787	A2	De Geus	01-31-2002
		WO	02/087291	A2	Mills	10-31-2002
		WO	02/088020	A2	Mills	11-7-2002
		WO	02/16956	A1	Mills	2-28-2002
		WO	03/093173	A2	Mills	11-13-2003
		WO	03/066516	A2	Mills	8-14-2003
		WO	04/092058	A2	Mills	10-28-2004
		WO	05/041368	A2	Mills	10-6-2005
		WO	05/067678	A2	Mills	7-28-2005
		WO	2005/116630	A1	Mills	12-08-2005
		WO	2007/051078	A1	Mills	05-03-2007
		WO	2007/053486	A1	Mills	05-10-2007
		GB	2 343 291		Lloyd Wise, Tregear & Co.	05-13-2000

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		"Atomic Physics Progress Report 1995-1996" (internet page) atompc2.fysik.lth.se/AFDOCS/Progrep956/contents.asp (author and date unknown)			
		"Atomic Spectroscopy" (internet page) physics.nist.gov/Pubs/AtSpec/node20.html (author and date unknown)			
		Baard, Erik. "The Empire Strikes Back." <i>The Village Voice</i> , April 26-May 2, 2000			
		Baard, Erik. "Quantum Leap." <i>The Village Voice</i> , Dec 22-28, 1999.			
		Baard, Erik, "Hydrino Theorist Gets Nod From NASA-Funded Investigation Eureka?", <i>The Village Voice</i> , Dec. 6, 2002			
		Barmann et. al. "Spatially and Temporally Resolved Studies of the Electron Density in Liquid Streamers by Emission Spectroscopy" (Internet page) atompc2.fysic.lth.se/AFDOCS/Progrep956/5al.htm (Atomic Physics Progress Report) (1995-1996)			
		Bjorken et al., ""Relativistische Quantenmechanik", <i>Die Dirac-Gleichung</i> , pp. 22-25, 1964			
		"Blacklight Power - do they have something significant?" (internet page) www.phact.org/e/blp.htm (author and date unknown)			
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		Blochinzew, <i>Grundlagen Der Quantenmechanik</i> , Veb Deutscher Verlag Der Wissenschaften, 1967			
		Blue. "Cold Fusion Lies." <i>Deja News on the Internet</i> , April 13, 1997.			
		Blue. "Randell Mills' Sells Pot Shards." <i>Deja News on the Internet</i> , April 30, 1997.			
		Bosch, et. al. "Electrochemical Cold Fusion Trials at IPP Garching." <i>Journal of Fusion Energy</i> , Vol 9, No 2, June 1990, pp. 165-186.			
		Briars. "Critique of New Energy, New Physics." 7 segments, <i>Deja News on the Internet</i> , March 9, 1989.			
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		Carolina, et al. "Effect of Dielectric Constant, Cavities in Series and Cavities in Parallel on the Product Distribution of the Oligomerization of Methane via Microwave Plasmas." <i>J. Phys. Chem.</i> , Vol 100, 1996, pp. 17866-17872.			
		Conrads, et. al. "Emission in the Deep Vacuum Ultraviolet from an Incandescently Driven Plasma in a Potassium Carbonate Cell", <i>Plasma Sources Science and Technology</i> , submitted.			
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		Dagani "Cold Fusion-Utah Pressures Pons, Fleischmann." <i>C&EN</i> , January 14, 1991, pp. 4-5.			
		Dennis "Hidden Variables and Relativistic Tachyons" (internet page) www.objectivescience.com/articles/ed_tachy.htm (Date unknown)			
		Durr, et. al. "Origin of quantum-mechanical complementarity probed by a 'which-way' experiment in an atom interferometer." <i>Nature</i> , Vol 395, September 3, 1998, pp. 33-37.			
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		Fuchs and Peres. "Quantum Theory Needs No 'Interpretation'." <i>Physics Today</i> , March 2000, p. 70.			
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		Gottfried, "Quantum electrodynamics: Matter all in the mind", (internet page) www.nature.com/cgi-taf/DynaPage.t...e/journal/v419/n6903/full/419117a_r.html, 2002			
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		Huizenga. "Cold Fusion." <i>C & EN</i> , Vol 70, July 20, 1992, pg. 3.			
		Johansson, et. al. "A Model for the origin of the anomalous and very bright UV lines of FE II in gaseous condensations of the star η Carinae" <i>Astronomy & Astrophysics</i> . Volume 378 (2001) pp.266-278.			
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		Jones, et. al. "Serious Flaws in Patterson (SOFE '95)Demo on Cold Fusion." available at http://x7.dejanews.com , October 1995.				
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		Mayo, et. al. "On the Potential of Direct and MHD Conversion of Power from a Novel Plasma Source to Electricity for Micro distributed Power Applications", <i>IEEE Transactions on Plasma Science</i> , submitted.				
		Miller. "Memo from Bennett Miller to Dr. Robert W. Bass." October 9, 1997, pp. 1-10.				
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		Morrison. "Cold Fusion Update No. 12, ICCPG." Jan 17, 1997, available online at "www.skypoint.com".			
		Myers, et. al. "Search for Cold Fusion at D/Pd > 1 Using Ion Implantation." <i>Journal of Fusion Energy</i> , Vol 9, No 3, pp. 30-37, 1990.			
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		Popov. "Electrochemical Characterization of BlackLight Power, Inc. MH as Electrodes for Li-ion Batteries." Department of Chemical Engineering University of South Carolina, Feb 2000.			
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		Powell et al. <i>Quantum Mechanics</i> , Addison-Weskey Publishing Co., Inc., pp. 205-229 and 478-482, 1961			
		Rathke "A Critical Analysis of the Hydrino Model", <i>New Journal of Physics</i> , 19 May 2005, http://www.iop.org/ej/article/1367-2630/7/1/127/njp5_1_127.html			
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		Silvera, et. al. "Deuterated palladium at temperatures from 4.3 to 400K and pressures to 105 kbar; Search for cold fusion." <i>The American Physical Society</i> , Vol 42, No 14, November 15, 1990, nn 9143.9146			
		Souw et al., "Calculation of the Combined Zeeman and translational Stark Effect on the H α -Multiplet", <i>Physica</i> , pp. 353-374, 1983			
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		116. K. Akhtar, J. Scharer, R. L. Mills, "Substantial Doppler Broadening of Atomic Hydrogen Lines in DC and Capacitively Coupled RF Plasmas," IEEE Transactions on Plasma Science, submitted. (Internet Publication Date: June 6, 2006.)			
		115. R.L. Mills, H. Zea, J. He, B. Dhandapani, "Water Bath Calorimetry on a Catalytic Reaction of Atomic Hydrogen," International Journal of Hydrogen Energy, in press. (Internet Publication Date: May 12, 2006)			
		114. R.L. Mills, K. Akhtar, B. Dhandapani, "Tests of Features of Field-Acceleration Models for the Extraordinary Selective H Balmer α Broadening in Certain Hydrogen Mixed Plasmas," J. Plasma Phys., submitted. (Internet Publication Date: June 24,			
		113. R.L. Mills, "Physical Solutions of the Nature of the Atom, Photon, and Their Interactions to Form Excited and Predicted Hydrino States," Physics Essay, in press. . (Internet Publication Date: June 9, 2005.)			
		112. R. L. Mills, J. He, Y. Lu, Z. M. Nansteel, Chang, B. Dhandapani, "Comprehensive Identification and Potential Applications of New States of Hydrogen," Int. J. Hydrogen Energy, Vol. 32, (2007), 2988–3009. (Internet Publication Date: May 9, 2005.)			
		111. R. L. Mills, J. He, Z. Chang, W. Good, Y. Lu, B. Dhandapani, "Catalysis of Atomic Hydrogen to Novel Hydrogen Species H $^-(1/4)$ and H $_2(1/4)$ as a New Power Source," International Journal of Hydrogen Energy, Vol. 32(13), (2007), pp. 2573–2584. (Internet Publication Date: May 6, 2005.)			
		110. R. L. Mills, J. He, Z. Chang, W. Good, Y. Lu, B. Dhandapani, "Catalysis of Atomic Hydrogen to Novel Hydrides as a New Power Source," Prepr. Pap.—Am. Chem. Soc., Div. Fuel Chem. 2005, 50(2). (Internet Publication Date: April 22, 2005.)			
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		106. R. L. Mills, "Exact Classical Quantum Mechanical Solution for Atomic Helium which Predicts Conjugate Parameters from a Unique Solution for the First Time," Physics Essays, submitted. (Internet Publication Date: October 28, 2004.)			
		105. J. Phillips, C. K. Chen, R. L. Mills, "Evidence of Catalytic Production of Hot Hydrogen in RF-Generated Hydrogen/Argon Plasmas," International Journal of Hydrogen Energy, Vol. 32, (2007), 3010–3025. (Internet Publication Date: September 7, 2004.)			
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		85. Mills et al., "Highly Pumped Inverted Balmer and Lyman Populations," New Journal of Physics, submitted			
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the

ATTACHMENT A		Date(s)	Compensation Arrangements	Cash Payments Made	Options Issued	Shares Owned
AKHTAR (Employee)	Dr. Kamran	-	Employee Salary	-	EE Options Only	None
BALDWIN (NASA)	Dr. R.	-	-	-	None	None
BONIFACE (Chalk River Labs)	Dr. H.A.	-	-	-	None	None
BRADFORD (PSU Student)	Dr. Michael	9/13/1994	Ad Hoc/ One-time Only	9/13/1994	None	None
CHANG (Employee)	Dr. Zhixiang	-	Employee Salary	-	EE Options Only	None
CHEN (EE & Consultant)	Dr. Chun-Ku	6/1/04-5/31/05	\$50/hour	2/7/2005	EE Options Only	None
CHEN (Employee)	Dr. Xuemin	-	Employee Salary	-	EE Options Only	None
CLARK (INP Greifswald)	Dr. H.R.	-	-	-	None	None
CONRADTS (INP Greifswald transferred agrmnt to Conrads)	Dr. Johannes	8/4/99-9/23/05	2 wire transfers	2/14/00 6/12/01	Options granted from 9/9/96 to 8/5/97; some options expired; some options exercised 9/7/06	Some options exercised 9/7/06
CRAIG	Dr. W.Y.	-	-	-	None	None
CRAW-IVANCO (Chalk River Labs)	Dr. M.T.	-	-	-	None	None
DAYALAN (Employee)	Dr. Ethirajulu	-	Employee Salary	-	EE Options Only	None
DHANDAPANI (Employee)	Dr. Bala	-	Employee Salary	-	EE Options Only	None
DONG (EE & Consultant)	Dr. Jinquan	7/30/03-1/31/04 2/1/04-7/31/04 11/16/04-5/1/505	\$35/hour \$45/hour \$45hour	2/28/02 8/20/03	EE Options Only	None
ECHEZURIA (Employee)	Alejandra	-	Employee Salary	-	EE Options Only	None
FRALICK (Semitech)	Dr. G.C.	-	-	-	None	None
FUELING (U Nevada)	Dr. Stephan	-	-	-	None	None
GAMBERALE	Luca	-	-	-	None	None
GERNERT (Thermacore)	Dr. N.J.	-	-	-	None	None
GOOD (EE & Officer)	William	-	Employee Salary	-	EE & Officer Options Issued Beginning 9/1/92	Shares Owned Beginning 1991

GREENIG (EE & Consultant)	Nelson	11/1/01-10/31/02 11/1/02-10/31/03 3/8/04-3/7/05 3/8/05-3/7/06 3/8/06-3/7/07 3/8/07-3/7/08	\$50/hour \$50/hour \$50/hour \$50/hour \$50/hour \$50/hour	7/19/95 4/27/01 10/14/02	EE Options Only	None
HALDEMAN (MIT Lincoln Labs)	Dr. C.W.	-	-	-	None	None
HE (Employee)	Dr. Jiliang	-	Employee Salary	-	EE Options Only	None
HICKS (Employee)	Steven	-	Employee Salary	-	EE Options Only	None
HILBORN (Chalk River Labs)	Dr. J.W.	-	-	-	None	None
ISELER (MIT Lincoln Labs)	Dr. G.W.	-	-	-	None	None
JACOX (INEL)	Dr. Michael	-	-	-	Options granted 9/9/96 to 3/3/97; all options expired	None
JANSSON (Rowan U)	Dr. Peter M.	6/10/02-10/31/02 (contract)	\$100 \$10	10/17/97 12/31/2002	None	Purchased shares 7/2/97; gifted to ex-wife and son 5/1/07
KNEIZYS	S.	-	-	-	None	None
KRYUKOV (Moscow Power Engineering Institute)	Dr. A.P.	-	-	-	None	None
KURTZ (PSU)	Dr. Stewart	-	-	-	Options granted 9/9/96 to 11/8/02; some expired	None
LEE (U of Ohio)	Dr. Jang-Jung	-	-	-	None	None
LU (EE & Consultant)	Dr. Ying	8/6/01 5/9/03-5/16/03 5/27/03-5/30/03 5/30/03-6/30/03 7/1/03-7/31/03 8/1/03-1/30/04	\$100/hour \$80/hour \$80/hour \$45/hour \$45/hour \$45/hour	10/01/01 5/23/03	EE Options Only	None
MARCHESE (Rowan U)	Dr. Anthony J.	6/10/02-10/31/02 (contract)	\$10 non-material	12/31/2002	None	None
MAYO (EE & Consultant)	Dr. Robert	6/8/01-8/8/01	\$50/hour	7/23/2001	EE Options Only	None
MEYERS (NASA)	Dr. I.	-	-	-	None	None
MILLER (Lehigh U)	Dr. Alfred	-	\$250	6/12/1997	Options granted 9/9/96 to 3/3/97; all options expired	None

MILLS (EE & Director)	Dr. Randell	-	Employee Salary	-	EE & Director Options Issued Beginning 9/9/96	Shares Owned Beginning 1991
NANSTEEL (EE & Consultant)	Dr. Mark W.	3/30/05-3/29/06 3/30/06-3/29/07 3/30/07-8/31/08	\$80/hour \$80/hour \$80/hour	8/24/2005	EE Options Only	None
NESTEROV (Moscow Power Engineering Institute)	Dr. S.B.	-	-	-	None	None
NIEDRA (NASA)	Dr. J.	-	-	-	None	None
NONINSKI (Brookhaven)	Dr. V.	-	-	-	None	None
ONUMA (Employee)	Dr. Takeyoshi	-	Employee Salary	-	EE Options Only	None
PACIFICORP		-	-	-	Options granted 4/7/97 to 4/27/98; some options expired	Purchased shares 9/20/96 & 7/2/97; transferred all shares to ScottishPower Ventures, Inc. 6/21/07
PETERSON (Westinghouse)	Dr. S.H.	-	-	-	None	None
PHILLIPS (PSU,UNM,LANL)	Dr. Jonathan	2/1/96-1/31/97 1/1/97-4/30/97 3/15/00-3/18/00 10/8/01-4/8/02 4/8/02-10/8/02 10/9/02-10/8/03 10/9/03-10/8/04 10/9/04-10/8/05 10/9/05-10/8/06 10/9/06-10/807	\$100/hour Options Only \$5,000 \$125/hour \$125/hour \$125/hour \$100/hour \$100/hour \$100/hour \$100/hour	4/26/95 5/9/00	Options granted 9/9/96-1/14/06; some options exercised	Some options exercised 9/1/06 & 2/20/07
RAY (Employee)	Dr. Paresh	-	Employee Salary	-	EE Options Only	None
SANKAR (EE & Consultant)	Dr. Jayasree	3/17/03-3/16/04 3/22/04-3/21/05	\$50/hour \$50/hour	-	EE Options Only	None
SAVOYE (MIT Lincoln Labs)	Dr. G.W.	-	-	-	None	None
SCHARER (U Wisconsin)	Dr. John	1/5/05-1/4/06 1/5/06-1/4/07 1/5/07-1/4/08	\$800/day \$100/hour \$110/hour	11/14/2005	None	None
SCHMALZEL (Rowan U)	Dr. John L.	6/10/02-10/31/02 (contract)	\$10 non-material	12/31/2002	None	None
SHANNON (Employee)	Tina	-	Employee Salary	-	EE Options Only	None
SHAUBACH (Thermacore)	Dr. R.M.	-	-	-	None	None
SIMMONS (Lehigh U)	Dr. G.	-	-	-	None	None
TREMBLAY (Chalk River Labs)	Dr. R.P.	-	-	-	None	None

TURNER (Spectral Data)	Dr. Gary L.	-	-	-	None	None
VOIGT (EE & Consultant)	Dr. Andreas	8/27/04-8/26/05	\$50/hour	-	EE Options Only	None
WATTS (INEL)	Dr. K.D.	-	-	-	None	None
WEISMANN	Dr. H.	-	-	-	None	None
WIESMANN	Dr. H.	-	-	-	-	-
WRUBEL (INP Greifswald)	Dr. Th.	-	-	-	None	None
ZEA (Employee)	Dr. Hugo	-	Employee Salary	-	EE Options Only	None

ATTACHMENT B**MASTER LIST OF CITED AND SUBMITTED DOCUMENTS**

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